Wednesday, October 4

7:45 am - 5:00 pm

**Neurobiology of Disease in Children:** Leukodystrophies  
Organizer: Bernard Maria, MD, MS; Goryeb Children’s Hospital, Morristown, NJ

**7:45 AM - 5:00 PM**  
**SYMPOSIUM I: Leukodystrophies**  
Organizer: Bernard L. Maria, MD, MBA  
Goryeb Children’s Hospital, Morristown, NJ  
(NDC Logo)  
Supported by the National Institutes of Health (NIH grant 5R13NS040925-21), the Child Neurology Society, the World Leukodystrophy Alliance, and the Leukodystrophy Care Network

**7:45 AM - 8:00 AM**  
**Opening Comments/Introduction**  
Bernard L. Maria, MD, MBA, Morristown, NJ

**8:00 AM - 8:20 AM**  
**SESSION I: Clinical Aspects and Diagnosis**  
Co-Director and Moderator: Sakkubai Naidu, MD; Johns Hopkins University, Baltimore, MD

**8:00 AM - 8:20 AM**  
**Overview of Childhood Leukodystrophies**  
Sakkubai Naidu, MD; Johns Hopkins University, Baltimore, MD

**8:20 AM - 8:50 AM**  
**Update on tRNA related Leukoencephalopathies**  
Marjo van der Knaap, MD; Vrije Universiteit, Amsterdam, Netherlands

**8:50 AM - 9:20 AM**  
**Update on Hypomyelinating Leukodystrophies**  
Genevieve Bernard, MD; McGill University, Montreal, Canada
9:20 AM - 9:50 AM  
*Leukoencephalopathies with Brain Calcifications*  
Yanick Crow, PhD; University of Manchester, Manchester, UK

9:50 AM - 10:20 AM  
*Early Diagnosis in Leukodystrophy*  
Adeline Vanderver, MD; Children’s Hospital of Philadelphia, Philadelphia, PA

10:20 AM - 10:30 AM  
*Question and Answer Session*

10:30 AM - 10:45 AM  
Coffee Break

10:45 AM - 12:35 PM  
SESSION II: Pathogenesis  
Co-Director and Moderator: Gustavo Maegawa, MD, PhD; University of Florida. Gainesville, FL

10:45 AM - 11:05 AM  
*Overview of Pathogenesis and Molecular Aspects*  
Gustavo Maegawa, MD, PhD; University of Florida. Gainesville, FL

11:05 AM - 11:35 AM  
*Alexander Disease*  
Albee Messing, VMD, PhD; University of Wisconsin, Madison, WI

11:35 AM - 12:05 AM  
*Krabbe Disease*  
Lawrence Wrabetz, MD; State University of New York at Buffalo, Buffalo, NY

12:05 PM - 12:35 PM  
*Zebrafish in Leukodystrophies*  
Joshua Bonkowsky, MD, PhD; University of Utah, Salt Lake City, UT

12:35 PM - 12:45 PM  
*Question and Answer Session*

12:45 PM - 1:45 PM  
Lunch with World Leukodystrophy Alliance (WLA) and Leukodystrophy Care Network (LCN) Presentations

1:45 PM - 4:05 PM  
SESSION III: Therapy  
Co-Director and Moderator: Ali Fatemi, MD; Johns Hopkins University, Baltimore, MD

1:45 PM - 2:05 PM  
*Overview of Therapeutic Approaches*  
Ali Fatemi, MD; Johns Hopkins University, Baltimore, MD

2:05 PM - 2:35 PM  
*Gene Therapy*  
Florian Eichler, MD; Harvard University, Boston, MA

2:35 PM - 3:35 PM  
*Cyclophosphamide Therapy*  
Mark Sands, PhD; Washington University, St. Louis, MO
3:35 PM - 4:05 PM  
_Nanotherapy_
Sujantha Kannan, MD; Johns Hopkins University, Baltimore, MD

4:05 PM - 4:20 PM  
EXECUTIVE SUMMARY OF THE DAY & _In-Room Break_
Co-Directors and Moderators:
• Sakku Naidu, MD
• Ali Fatemi, MD
• Gustavo Maegawa, MD, PhD

4:20 PM - 4:55 PM  
SESSION IV: FUTURE DIRECTIONS & _Question and Answer Session_
Moderator: Bernard L. Maria, MD, MBA

PANELISTS:
5-7

4:55 PM - 5:00 PM  
_Closing Comments_
Bernard L. Maria, MD, MBA

**Other Wednesday Activities:**

- Association of Child Neurology Nurses (ACNN) (8:00 am - 4:30 pm)
- Training Program Coordinators (10:00 - 5:00 pm)
- Professors of Child Neurology (PCN) (2:00 pm - 5:00 pm)
- Pellock Resident Seminar on Epilepsy (8:00 am - 4:30 pm)
- Child Neuro NightCap
  - Presentation of Arnold P. Gold Humanism Award (Dr. David Coulter)
  - Presentation of Roger & Mary Brumback Lifetime Achievement Awards (Drs. Abe Chutorian and W. Donald Shields)
  - Special Program recognizing CNS/PCN/CNF founder, Dr. Kenneth Swaiman)
- Movement Disorders SIG
Thursday, October 5

7:00 am-8:15 am

Breakfast Seminar 1: Update on Paroxysmal Movement Disorders
Organizer: Harvey Singer, MD

Tics and Tourette Syndrome
Donald L. Gilbert, MD
Cincinnati Children’s Hospital Medical Center
Cincinnati, OH

Motor Stereotypies
Harvey S. Singer, MD
Johns Hopkins Hospital
Baltimore, MD

Paroxysmal Dyskinesias
Toni Pearson, MD
Children’s Hospital St. Louis
St. Louis, MO

Breakfast Seminar 2: Sex: Why this Biological Variable is Relevant to the Child Neurologist
Organizer: Mary Zupanc, MD

Sex, Brain Development, and the Child Neurologist---Some Questions and Insights from Neurobiology
Tallie Z. Baram, MD PhD
University of California—Irvine
Irvine, CA

Sex Effects on Typical and Atypical Development of the Human Brain
Bradley L Schlagger MD PhD
Washington University
St. Louis, MO

From Bench to Bedside: Relevant Clinical Vignettes
Mary L. Zupanc, MD
Children's Hospital of Orange County University of California—Irvine
Irvine, CA
Breakfast Seminar 3: How To Get Started in Child Neurology Research At Any Point in Your Career
Organizer: Adam Hartman, MD

An Overview of Child Neurology Research 2018
Adam L. Hartman, MD
National Institute of Neurological Disorders & Stroke
Rockville, MD

A Young Investigator’s Perspective on Becoming Involved In Research
Courtney Wusthoff, MD, MS
Stanford University
Stanford, CA

Multicenter Studies - Unique Opportunities for Any Investigator
Mustafa Sahin, MD, PhD
Boston Children’s Hospital
Boston, MA

9:00 am-12:00 pm

Symposium II: Presidential Symposium:
Practice Issues in Child Neurology
Organizer: Kenneth Mack, MD, PhD; President, CNS

Burnout in Child Neurology
Neil Busis, MD
University of Pittsburgh
Pittsburgh, PA

Coding and future Changes in Neurology
Bruce Cohen, MD
Children’s Hospital of Akron
Akron, OH

Quality Measures
Jeff Buchhalter, MD
University of Calgary
Calgary, AB, Canada

Telemedicine
Sidney Gospe, MD, PhD
Seattle Children’s Hospital
University of Washington
Seattle, WA
12:00 - 12:30 pm

CNS Business Meeting

1:45 pm-4:00 pm

Symposium III: Global Health Scientific Symposium. Disparities in Neurological Care around the World. Avenues for Intervention
Organizer: Jorge Vidaurre, MD; Chair, CNS International Affairs Committee

Global health disparities and limitations for collaboration. Can we overcome these limitations?
Jorge Vidaurre, MD, FACNS
Nationwide Children's Hospital
Columbus, OH

An International Child Neurology Association (ICNA) Perspective of the Global Situation in Child Neurology Care
Harry T. Chugani, MD,
Nemours A.I. DuPont Hospital for Children
Wilmington, DE

Pediatric Neurological Care in Africa. Importance of Collaborative Efforts
Edward Kija, MD
Founder and Chief Pediatric Neurology Division
Muhimbili University of Health and Allied Sciences
Muhimbili National Hospital
Dar Es Salaam, Tanzania

The NAC- ESC- ILAE Caribbean Experience
David Clarke, MBBS
Dell Medical School, University of Texas at Austin
Austin, TX

A Global Perspective of Epilepsy Care. Stand up for Epilepsy; There is Much To Do, Together, With One Voice
Solomon L. Moshé, MD
Albert Einstein College of Medicine
Bronx, NY

Collaborative Projects and Closing Remarks
Jorge Vidaurre, MD, FACNS
Nationwide Children's Hospital
Columbus, OH
Friday, October 6

7:00 am-8:15 am: Poster Review

8:30 - 10:15 am: Platform Sessions

10:45 - 10:55 am  
Presentation of Blue Bird Clinic Training Director Award: TBA  
Presentation of CNS Junior Member Awards: TBA  
Presentation of CNF Grants/Awards: TBA

10:55 - 11:20 am  
Philip R. Dodge Young Investigator Award Lecture: TBA

11:20 - 12:15 pm  
Bernard Sachs Lecture:  
Solomon Moshé, MD  
Albert Einstein College of Medicine  
Bronx, NY

2:15 pm-4:30 pm

Symposium IV: Conversion Disorders and Psychogenic Non-Epileptic Seizures  
Organizer: Steven Leber, MD

Conversions Disorders: A Historical Overview  
Leon S. Dure, MD  
University of Alabama / Children’s of Alabama  
Birmingham, AL

Conversion Disorders: What We Know About Their Neurobiology From Functional Imaging  
Mark Hallett, MD  
NINDS  
Bethesda, MD

Mass Psychogenic Illness  
Jonathan W. Mink, MD, PhD  
University of Rochester Medical Center  
Rochester, NY

Treatment of Psychogenic Non-Epileptic Seizures  
W Curt LaFrance Jr MD, MPH  
Alpert Medical School, Brown University  
Rhode Island Hospital  
Providence RI
Saturday, October 7

7:00 am-8:15 am

Breakfast Sem 4: Newborn Screening Consideration for Spinal Muscular Atrophy
Organizer: Han Phan, MD

Genetics of SMA
Kathryn J. Swoboda MD, FACMG
Center for Human Genetics Research, Massachusetts General Hospital
Boston, MA

CDC Role in NBS and its Methodology
Robert F. Vogt, Jr., Ph.D.
Centers for Disease Control
Atlanta, GA

Policy and Regulatory Standards
Jacqueline Glascock, PhD
Cure SMA
Elk Grove Village, IL

Ethical issues in newborn screening for SMA
Lainie Friedman Ross, MD, PhD
University of Chicago
Chicago, IL

Breakfast Seminar 5: The Comprehensive Evaluation of Mitochondrial Myopathies
Organizer: Zarazuela Zolkipli, MD

The Clinical and Biochemical Evaluation of Mitochondrial Myopathies
Amy Goldstein, MD
Children’s Hospital of Pittsburgh
Pittsburgh, PA

The Endocrine manifestations of Mitochondrial Myopathies, Quantitative Imaging of OXPHOS and Nutritional aspects
Shana McCormack, MD
The Children’s Hospital of Philadelphia
Philadelphia, PA

Quantitative Exercise Testing, Genetic Evaluation of MM and MSeqDr
Zarazuela Zolkipli, MBChB, MRCP
The Children’s Hospital of Philadelphia
Philadelphia, PA
Breakfast Seminar 6: Diagnosing Dravet Syndrome - What’s the Rush?
Organizer: Kelly Knupp, MD

Clinical Presentation and Comorbidities
Kelly Knupp, MD, FAES
Children's Hospital Colorado
Aurora, CO

What Do Animal Models Teach Us About this Syndrome?
Dr. Sookyong Koh, MD, PhD
Emory University
Atlanta, GA

Choosing the Best Treatment to Maximize Long Term Outcome
Dr. Elaine Wirrell, MD
Mayo Clinic
Rochester, MN

8:45 am-9:30 am
Hower Award Lecture:
Nina Schor, MD, PhD
University of Rochester
Rochester, NY

9:45 am-12:00 pm
Symposium V: Pediatric Neuro-Oncology - What’s the New Routine in 2017?
Organizer: Sonia Partap, MD, MS

How Classifying Pediatric CNS Tumors has Changed: the WHO and Why
Sonia Partap, MD, MS
Stanford University
Palo Alto, CA

Neurology Consults in Pediatric Oncology: New Agents, New Challenges
Yasmin Khakoo, MD
Memorial Sloan Kettering Cancer Center
New York, NY

The Child Neurologists Guide to the Brain Tumor Survivor: Recognition, Mitigation and Prevention of Neurologic Late Effects
Nicole Ullrich, MD, PhD
Boston Children’s Hospital and Dana-Farber Cancer Institute
Boston, MA
Welcome
SUDEP Awareness: From the Perspectives of Providers and Families
William H. Trescher, MD
President, Child Neurology Foundation
Penn State Children’s Hospital
Hershey, PA

SUDEP in Children: What Child Neurologists Need to Know about the Risk for SUDEP and How to Reduce Risk?
Elizabeth Donner, MD, FRCPC
The Hospital for Sick Children
University of Toronto
Toronto, Canada

State of Science: What Do We Know Today About SUDEP?
Jeffrey Buchhalter MD, PhD
Alberta Children’s Hospital
Alberta, Canada

Perspectives: Living with the Knowledge of SUDEP
Jennifer Silva
Informatica

Margaret Storey, PhD
Professor of History
DePaul University in Chicago
Chicago, IL

Moderated by:
Cyndi Wright, CNF Consultant

The Art of Health Care Communication: Applying Communication Science to the Daily Practice of Child Neurology
Sarah Friebert, MD
Akron Children’s Hospital. Northeast Ohio Medical University
Akron, OH
Making a Difference: Resources to Help Save Lives
Tom Stanton
Danny Did Foundation

Q&A and Closing Remarks
William H. Trescher, MD
Child Neurology Foundation
Penn State Children’s Hospital
Hershey, PA